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LABORATORIES

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Wisconsin

2020 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter, %	3.5	3.1	3.2 (<1.0)	29.9 (1.0-2.5)	55.5 (2.5-5.0)	8.3 (5.0-7.0)	3.1 (7.0+)
Phosphorus (P1), ppm	51	58	7.2 <td>2.5 (10-20)</td> <td>29.0 (20-30)</td> <td>14.3 (30-50)</td> <td>32.3 (50+)</td>	2.5 (10-20)	29.0 (20-30)	14.3 (30-50)	32.3 (50+)
Phosphorus (P2), ppm	68	68	3.5 <td>23.9 (14-29)</td> <td>23.9 (29-44)</td> <td>17.7 (44-74)</td> <td>31.0 (74+)</td>	23.9 (14-29)	23.9 (29-44)	17.7 (44-74)	31.0 (74+)
Bicarbonate P, ppm	71	29	— (<5)	— (5-15)	— (15-25)	— (25-45)	66.7 (45+)
Potassium (K), ppm	140	71	—	—	—	33.3	—
K, % Base Saturation	3.2	1.4	1.0 (<0.74)	10.9 (0.74-1.46)	51.2 (1.47-2.92)	26.3 (2.93-4.38)	10.8 (>4.38)
Magnesium (Mg), ppm	433	204	—	—	—	—	—
Mg, % Base Saturation	28.8	6.3	0.3 <td>1.4 (5-10)</td> <td>2.9 (10-15)</td> <td>15.6 (15-25)</td> <td>79.8 (25+)</td>	1.4 (5-10)	2.9 (10-15)	15.6 (15-25)	79.8 (25+)
Calcium (Ca), ppm	1423	994	—	—	—	—	—
Ca, % Base Saturation	59.5	8.6	5.3 <td>13.0 (45-55)</td> <td>78.6 (55-75)</td> <td>2.5 (75-85)</td> <td>0.7 (85+)</td>	13.0 (45-55)	78.6 (55-75)	2.5 (75-85)	0.7 (85+)
pH (1:1)	6.6	0.7	1.4 <td>11.9 (5.1-5.8)</td> <td>50.8 (5.9-6.9)</td> <td>29.3 (7.0-7.5)</td> <td>6.5 (>7.5)</td>	11.9 (5.1-5.8)	50.8 (5.9-6.9)	29.3 (7.0-7.5)	6.5 (>7.5)
CEC, meq/100g	14.5	4.9	2.4 <td>20.0 (3.1-8.0)</td> <td>58.0 (8.1-15.0)</td> <td>17.8 (15.1-25.0)</td> <td>1.9 (>25.0)</td>	20.0 (3.1-8.0)	58.0 (8.1-15.0)	17.8 (15.1-25.0)	1.9 (>25.0)
Sulfur (S), ppm	9	25.5	3.8 <td>48.9 (4-7)</td> <td>37.7 (8-12)</td> <td>6.0 (13-17)</td> <td>3.6 (>17)</td>	48.9 (4-7)	37.7 (8-12)	6.0 (13-17)	3.6 (>17)
Zinc (Zn), ppm	4.5	3.6	— (<1.0)	31.0 (1.1-2.9)	40.7 (3.0-4.9)	23.9 (5.0-10.0)	4.4 (>10.0)
Manganese (Mn), ppm	51	16	1.4 <td>1.3 (6-14)</td> <td>1.6 (15-19)</td> <td>45.0 (20-49)</td> <td>50.6 (>49)</td>	1.3 (6-14)	1.6 (15-19)	45.0 (20-49)	50.6 (>49)
Iron (Fe), ppm	34	25	—	3.8 <td>4.3 (5-9)</td> <td>76.3 (10-50)</td> <td>15.6 (>50)</td>	4.3 (5-9)	76.3 (10-50)	15.6 (>50)
Copper (Cu), ppm	1.6	1.2	—	0.4 (<0.4)	43.2 (0.4-1.1)	47.7 (1.2-3.0)	8.7 (>3.0)
Boron (B), ppm	0.6	0.5	33.2 <td>23.9 (0.4-0.5)</td> <td>32.8 (0.6-1.2)</td> <td>8.9 (1.3-2.5)</td> <td>1.3 (>2.5)</td>	23.9 (0.4-0.5)	32.8 (0.6-1.2)	8.9 (1.3-2.5)	1.3 (>2.5)
Nitrate (NO ₃ -N), ppm	17.3	16.0	13.3 <td>28.1 (5-9)</td> <td>26.5 (10-19)</td> <td>21.9 (20-39)</td> <td>10.2 (>39)</td>	28.1 (5-9)	26.5 (10-19)	21.9 (20-39)	10.2 (>39)